

1 What is claimed is:

1 1. A method for activating a mobile station in a wireless communications network
2 comprising the steps of:

3 receiving at a network node a registration message including information translatable
4 into an address for an over the air activation processor;

5 translating said information into said address;

6 routing said registration message to said over the air activation processor;

7 initiating an activation process at said over the air activation processor in response to
8 said received registration message; and

9 transmitting activation parameters to said mobile station in response to said activation
10 process.

1 2. The method of claim 1 wherein said network node receives a plurality of said registration
2 messages from a plurality of mobile stations, each of the plurality of registration messages
3 including the same said information translatable into said address.

1 3. The method of claim 2, wherein said information translatable into said address is an
2 OTAF ID number.

1 4. The method of claim 1 wherein said network node receives a plurality of said registration
2 messages from a plurality of mobile stations, each of the plurality of registration messages
3 including mutually distinct said information translatable into said address.

1 5. The method of claim 4, wherein said information translatable into said address is a
2 dummy MIN.

1 6. The method of claim 1 further comprising the steps of:
2 establishing a voice channel between said mobile station and an activation center;

3 sending authorization data from said activation center to said over the air activation
4 processor in response to information received from said voice channel; and

5 completing said activation process in response to said authorization data.

1 7. A method for activating a mobile station in a wireless communications network
2 comprising the steps of:

3 receiving at a network node a registration message including an address for an over
4 the air activation processor;

5 routing said registration message to said over the air activation processor;

6 initiating an activation process at said over the air activation processor in response to
7 said received registration message; and

8 transmitting activation parameters to said mobile station in response to said activation
9 process.

1 8. The method of claim 7 wherein said network node receives a plurality of said registration
2 messages from a plurality of mobile stations, each of the plurality of registration messages
3 including the same said address.

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2 9. The method of claim 7 wherein said network node receives a plurality of said registration
3 messages from a plurality of mobile stations, each of the plurality of registration messages
4 including mutually distinct values of said address.

1 10. The method of claim 7 further comprising the steps of:

2 establishing a voice channel between said mobile station and an activation center;

3 sending authorization data from said activation center to said over the air activation
4 processor in response to information received from said voice channel; and

5 completing said activation process in response to said authorization data.

1 11. A system for activating a mobile station in a wireless communications network,
2 comprising:

3 an over the air activation processor in a network;

4 a mobile switching center at a node in said network, receiving a registration message
5 including information translatable into an address for said over the air activation processor;
6 and

7 a signal transfer point coupled to said mobile switching center in said network,
8 translating said information into said address;

9 said signal transfer point routing said registration message to said over the air
10 activation processor in said network;

11 said over the air activation processor initiating an activation process in response to
12 said received registration message and causing transmission of parameters to said mobile
13 station.

1 12. The system of claim 11 wherein said mobile switching center receives a plurality of said
2 registration messages from a plurality of mobile stations, each of the plurality of registration
3 messages including the same said information translatable into said address.

4 13. The system of claim 12, wherein said information translatable into said address is an
5 OTAF ID number.

1 14. The system of claim 11 wherein said mobile switching center receives a plurality of said
2 registration messages from a plurality of mobile stations, each of the plurality of registration
3 messages including mutually distinct said information translatable into said address.

1 15. The system of claim 14, wherein said information translatable into said address is a
2 dummy MIN.

1 16. The system of claim 11 further comprising:

1 an activation center in said network having a voice channel established with said
2 mobile station;

3 said activation center sending authorization data to said over the air activation
4 processor in response to information received from said voice channel; and

5 said over the air activation processor completing said activation process in response to
6 said authorization data.

1 17. A system for activating a mobile station in a wireless communications network,
2 comprising:

3 an over the air activation processor in a network; and

4 a mobile switching center at a node in said network, receiving a registration message
5 including an address for said over the air activation processor;

6 said mobile switching center causing a routing of said registration message in said
7 network to said over the air activation processor;

8 said over the air activation processor initiating an activation process in response to
9 said received registration message and causing transmission of parameters to said mobile
10 station.

1 18. The system of claim 17 wherein said mobile switching center receives a plurality of said
2 registration messages from a plurality of mobile stations, each of the plurality of registration
3 messages including the same said address.

1 19. The system of claim 17 wherein said mobile switching center receives a plurality of said
2 registration messages from a plurality of mobile stations, each of the plurality of registration
3 messages including mutually distinct values of said address.

1 20. The system of claim 17 further comprising:

2 an activation center in said network having a voice channel established with said
3 mobile station;

- 1 said activation center sending authorization data to said over the air activation
- 2 processor in response to information received from said voice channel; and
- 3 said over the air activation processor completing said activation process in response to
- 4 said authorization data.